

Safety Data Sheet

Infosafe No™ 4ACMY Issue Date : January 2014 ISSUED by PDS

Product Name : **ENDOPREP BLEACH**

1. Identification

GHS Product Identifier ENDOPREP BLEACH
Product Code 34121
Company Name Professional Dentist Supplies Pty. Ltd. (ABN 69 088 275 576)
Address 3/8 Nicole Close Bayswater North
VIC 3153 Australia
Telephone/Fax Number Tel: +61 3 9761 6615
Fax: +61 3 9730 1073
Emergency phone number +61 3 9761 6615 bh

Recommended use of the chemical and restrictions on use Bleaching of teeth as part of endodontic therapy.

Other Names

| <u>Name</u> | <u>Product Code</u> |
|-------------|---------------------|
|-------------|---------------------|

| | |
|---------------------|-------|
| Endoprep Bleach 25g | 34121 |
|---------------------|-------|

Other Information PROFESSIONAL DENTIST SUPPLIES
Ph: 03 9761 6615 (business hours)
The information contained within this material safety data sheet (MSDS) is believed to be accurate on the date of issue and in accordance with the information provided to us. Any person handling the product referred to in this material safety data sheet do so at their own risk. Professional Dental Supplies accepts no liability whatsoever for damage or injury caused from the use of this information or of suggestions contained herein.

2. Hazard Identification

Classification of the substance or mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Oxidizing Solids: Category 3
Acute Toxicity - Inhalation: Category 4
Acute Toxicity - Oral: Category 4
Eye Damage/Irritation: Category 1
STOT Single Exposure Category 3 (respiratory tract irritation)
Toxic to Reproduction: Category 1

Signal Word (s) Danger

Hazard Statement (s) H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.

Pictogram (s) Corrosion, Exclamation mark, Flame over circle, Health hazard



Precautionary statement – Prevention P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P220 Keep/Store away from clothing/combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Safety Data Sheet

Infosafe No™ 4ACMY Issue Date : January 2014 ISSUED by PDS

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Precautionary statement – Response
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
GENERAL
P308+P313 IF exposed or concerned: Get medical advice/attention.
INHALATION
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
INGESTION
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
EYE
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
OTHER
P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam, water mist or water spray for extinction.
Precautionary statement – Storage
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
Precautionary statement – Disposal
P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

| Ingredients | Name | CAS | Proportion |
|-------------|-------------------------------|------------|------------|
| | Sodium Perborate Tetrahydrate | 10486-00-7 | 100 % |

4. First-aid measures

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
First Aid Facilities Eye wash station and normal washroom facilities.
Advice to Doctor Treat symptomatically.
Other Information For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 11 26) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media Use carbon dioxide, dry chemical, foam, water mist or water spray.
Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes and gases including disodium oxide.
Specific hazards arising from the chemical A strong oxidising agent. Contact with combustible material may cause fire. Non-combustible, but will support the combustion of other materials.
Hazchem Code 1Y
Decomposition Temp. Not available

Safety Data Sheet

| | | |
|--------------------|---------------------------|---------------|
| Infosafe No™ 4ACMY | Issue Date : January 2014 | ISSUED by PDS |
|--------------------|---------------------------|---------------|

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Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Remove all sources of ignition. Increase ventilation. Evacuate all unprotected personnel. Do not breathe dust. Wear respiratory protection and full protective clothing to minimise exposure. Sweep up material avoiding dust generation - dampen spilled material with water if suitable to avoid airborne dust, OR where possible use dustless methods such as vacuum to collect the material; then transfer material in to suitable vapour tight labelled containers for subsequent recycling or disposal. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Establish good housekeeping practices. Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities Store in a well ventilated area away from heat and sources of ignition, out of direct sunlight and moisture. Store in suitable, labelled containers away from incompatible materials. Inspect periodically for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Maximum product temperature 40°C. Refer to AS 4326-2008 The storage and handling of oxidizing agents.

Corrosiveness Not corrosive to aluminium.

Storage Temperatures <30°C

8. Exposure controls/personal protection

Occupational exposure limit values No exposure standards have been established for this material, however, the TWA Safe Work, Australia) exposure standards for dust not otherwise specified is 10 mg/m³. TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Biological Limit Values No biological limits allocated.

Appropriate engineering controls Provide sufficient ventilation to keep airborne levels as low as possible. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection Wear gloves of impervious material such as nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Safety Data Sheet

| | | |
|--------------------|---------------------------|---------------|
| Infosafe No™ 4ACMY | Issue Date : January 2014 | ISSUED by PDS |
|--------------------|---------------------------|---------------|

Product Name : **ENDOPREP BLEACH**

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| Appearance | Crystalline powder |
| Colour | White |
| Odour | Odourless |
| Decomposition Temperature | Not available |
| Melting Point | 63°C (loses water at 130-150°C) |
| Boiling Point | Not applicable |
| Solubility in Water | Slightly soluble |
| Solubility in Organic Solvents | Not available |
| Specific Gravity | Not available |
| pH | Not available |
| Vapour Pressure | Not applicable |
| Vapour Density (Air=1) | Not applicable |
| Evaporation Rate | Not available |
| Odour Threshold | Not available |
| Viscosity | Not available |
| Partition Coefficient: n-octanol/water | Not available |
| Flash Point | Not applicable |
| Flammability | Oxidiser. Non-combustible, however in fire situations oxygen may be liberated and increase the intensity of the fire. |
| Auto-Ignition Temperature | Not applicable |
| Flammable Limits - Lower | Not applicable |
| Flammable Limits - Upper | Not applicable |

10. Stability and reactivity

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| Reactivity | Refer to Sec 10: Possibility of hazardous reactions. |
| Chemical Stability | Stable under normal conditions of storage and handling. |
| Conditions to Avoid | Dust accumulation. Extremes of temperature and direct sunlight. |
| Incompatible Materials | Combustible materials |
| Hazardous Decomposition Products | Thermal decomposition may result in the release of toxic and/or irritating fumes including including disodium oxide. |
| Possibility of hazardous reactions | Will react with incompatible materials. |
| Hazardous Polymerization | Will not occur. |

11. Toxicological Information

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| Toxicology Information | The available acute toxicity datum for this product is given below. |
| Acute Toxicity - Oral | LD50 (Rat): 1,200mg/kg |
| Ingestion | Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea. |
| Inhalation | Harmful if inhaled. May cause respiratory irritation. Inhalation of product |

Safety Data Sheet

| | | |
|--------------------|---------------------------|---------------|
| Infosafe No™ 4ACMY | Issue Date : January 2014 | ISSUED by PDS |
|--------------------|---------------------------|---------------|

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| Skin | vapours can cause irritation of the nose, throat and respiratory system. Skin contact may cause mechanical irritation resulting in redness and itching. |
| Eye | Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness. |
| Respiratory sensitisation | Not expected to be a respiratory sensitiser. |
| Skin Sensitisation | Not expected to be a skin sensitiser. |
| Germ cell mutagenicity | Not considered to be a mutagenic hazard. |
| Carcinogenicity | Not considered to be a carcinogenic hazard. |
| Reproductive Toxicity | May damage fertility or the unborn child. Classified as a Known or presumed human reproductive or developmental toxicant. |
| STOT-single exposure | Not expected to cause toxicity to a specific target organ. |
| STOT-repeated exposure | Not expected to cause toxicity to a specific target organ by repeated exposure. |
| Aspiration Hazard | Not expected to be an aspiration hazard. |
| Other Information | Prolonged or repeated exposure to this material may result in skin irritation leading to dermatitis. Inhalation may aggravate existing respiratory disorders. |

12. Ecological information

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| Ecotoxicity | Not available |
| Persistence and degradability | Not available |
| Mobility | Not available |
| Bioaccumulative Potential | Not available |
| Environmental Protection | Do not allow product to enter drains, waterways or sewers. |

13. Disposal considerations

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| Disposal Considerations | The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. |
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14. Transport information

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| Transport Information | Road and Rail: This material is classified as Dangerous Goods Division 5.1 Oxidising substances according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). Division 5.1 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 2.1, Flammable Gases - Division 2.3, Toxic Gases - Class 3, Flammable Liquids - Division 4.1, Flammable Solids - Division 4.2, Spontaneously Combustible Substances - Division 4.3, Dangerous When Wet Substances - Some Division 5.1 Oxidising substances (Refer Table 9.2) - Division 5.2, Organic Peroxides - Class 6, Toxic and Infectious Substances, if the Class 6 substance is a fire risk substance - Class 7, Radioactive Substances - Class 8, Corrosive Substances - Class 9, Miscellaneous Dangerous Goods, if the Class 9 substance is a fire risk substance - Fire risk substances - Combustible liquids |
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Safety Data Sheet

Infosafe No™ 4ACMY Issue Date : January 2014 ISSUED by PDS

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Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No.: 1479
Proper Shipping Name: OXIDIZING SOLID, N.O.S. (CONTAINS PERBORATE TETRAHYDRATE)
Class: 5.1
Packaging Group: III
EMS No.: F-A, S-Q
Special Provision: 223, 274, 900

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No.: 1479
Proper Shipping Name: OXIDIZING SOLID, N.O.S. (CONTAINS PERBORATE TETRAHYDRATE)
Class: 5.1
Packaging Group: III
Label: Oxidizer
Packaging Instructions (passenger & cargo): 559
Packaging Instructions (cargo only): 563
1479

U.N. Number

UN proper shipping name OXIDIZING SOLID, N.O.S. - (CONTAINS PERBORATE TETRAHYDRATE)

Transport hazard class(es) 5.1

Hazchem Code 1Y

Packaging Method 3.8.5.1

Packing Group III

EPG Number 5B1

IERG Number 31

IMDG Marine pollutant No

15. Regulatory information

Regulatory Information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule Not Scheduled

AICS (Australia) All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other Information

Date of preparation or last revision of SDS SDS Reviewed: January 2014
Supersedes: February 1999, November 2003, January 2009

Literature References Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons. Australian Code for the Transport of Dangerous Goods by Road & Rail. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. Workplace exposure standards for airborne contaminants, Safe work Australia. American Conference of Industrial Hygienists (ACGIH). Globally Harmonised System of classification and labelling of chemicals.

Contact Person/Point

...End Of MSDS...

Safety Data Sheet

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